



# ISUZU FVZ 1400

|             |  |         |
|-------------|--|---------|
| SMOD        |  | M220FK6 |
| Axle layout |  | 6X4     |
| Control     |  | Forward |

| MASS                                   |                                        |       |
|----------------------------------------|----------------------------------------|-------|
| Permissible body + payload             | kg                                     | 17600 |
| Tare - total (T)                       | kg                                     | 7500  |
| Tare - front                           | kg                                     | 3410  |
| Tare - rear                            | kg                                     | 4090  |
| GVM                                    | kg                                     | 25100 |
| V                                      | kg                                     | 25100 |
| GCM                                    | kg                                     | 36000 |
| D/T                                    | kg                                     | 36000 |
| Axle - front GA/GAU                    | kg                                     | 7100  |
| Axle - front A/AU                      | kg                                     | 7100  |
| Axle - rear GA/GAU                     | kg                                     | 21000 |
| Axle - rear A/AU                       | kg                                     | 18000 |
| Litres of fuel tank 1 included in tare | ltrs                                   | 15    |
| Litres of fuel tank 2 included in tare | ltrs                                   | 15    |
| Tools included in tare                 | Jack, warning triangle, basic tool kit |       |
| Spare wheel included in tare           |                                        | Yes   |

| PERFORMANCE                          |      |     |
|--------------------------------------|------|-----|
| Gradeability at V                    | %    | 38  |
| Gradeability at D/T                  | %    | 26  |
| Max. geared road speed (Without SLD) | km/h | 110 |
| Max allowable speed (SLD for SA)     | km/h | 80  |

| MAJOR DIMENSIONS              |    |       |
|-------------------------------|----|-------|
| Overall length                | mm | 9730  |
| Overall width                 | mm | 2400  |
| Wheelbase                     | mm | 5700  |
| CA - cab to bogie/rear axle   | mm | 5074  |
| CE - Cab to end of Chassis    | mm | 7664  |
| OH - Overall height           | mm | 2885  |
| FOH - Front overhang          | mm | 1440  |
| ROH - Rear overhang           | mm | 2590  |
| Rear axle bogie spacing       | mm | 1300  |
| 1/2 rear axle bogie spacing   | mm | 650   |
| EH - Chassis height rear      | mm | 1075  |
| HH - Ground Clearance         | mm | 245   |
| Chassis Width Rear            | mm | 850   |
| Turning radius (curb to curb) | mm | 10800 |
| Turning radius (wall to wall) | mm | 11800 |

| ENGINE   |     |                 |
|----------|-----|-----------------|
| Make     |     | ISUZU           |
| Model    |     | 6HK1-TCS        |
| Capacity | cm3 | 7790            |
| Layout   |     | Diesel inline 6 |

| ENGINE (CONTINUED) |    |                                      |
|--------------------|----|--------------------------------------|
| Type               |    | Turbocharged Intercooled Common Rail |
| Power at r/min     | kW | 221 @ 2400                           |
| Torque at r/min    | Nm | 980 @ 1450 - 2400                    |
| Emissions standard |    | Euro 3                               |

| CLUTCH    |    |                        |
|-----------|----|------------------------|
| Make      |    | Exedy                  |
| Model     |    | 380                    |
| Type      |    | Single                 |
| Diameter  | mm | 381                    |
| Operation |    | Hydraulic Air Assisted |

| TRANSMISSION              |  |                  |
|---------------------------|--|------------------|
| Make                      |  | ZF               |
| Model                     |  | 9 S 1110         |
| Type                      |  | Synchromesh      |
| Shift                     |  | Manual Gearshift |
| No. of gears forward      |  | 9                |
| Crawler Gear ratio        |  | 9.479            |
| 1st gear ratio            |  | 6.576            |
| 2nd gear ratio            |  | 4.678            |
| 3rd gear ratio            |  | 3.478            |
| 4th gear ratio            |  | 2.617            |
| 5th gear ratio            |  | 1.890            |
| 6th gear ratio            |  | 1.345            |
| 7th gear ratio            |  | 1.000            |
| 8th gear ratio            |  | 0.752            |
| 9th gear ratio            |  | -                |
| Rev                       |  | 8.967            |
| Permanent 4X4             |  | No               |
| Central Differential lock |  | No               |
| Rear Differential lock    |  | Standard         |
| Limited Slip differential |  | No               |
| PTO                       |  | PTO Ready        |

| DRIVE AXLE             |    |          |
|------------------------|----|----------|
| Make                   |    | ISUZU    |
| Model Drive axle front |    | F071     |
| Model Drive axle rear  |    | RT210    |
| Hypoid                 |    | Standard |
| Final ratio            | :1 | 6.143    |

| SUSPENSION |  |                    |
|------------|--|--------------------|
| Front      |  | Multi-leaf springs |

| SUSPENSION (CONTINUED) |  |                    |
|------------------------|--|--------------------|
| Rear                   |  | Multi-leaf springs |
| Shock absorbers        |  | Front              |
| Stabilisers            |  | Front              |

| STEERING  |  |       |
|-----------|--|-------|
| Operation |  | Power |

| BRAKES                         |  |          |
|--------------------------------|--|----------|
| System type                    |  | Full air |
| Front                          |  | Drums    |
| Rear                           |  | Drums    |
| Anti-lock braking system (ABS) |  | Standard |
| Park/emergency system          |  | Spring   |
| Exhaust brake                  |  | Standard |
| Engine brake                   |  | No       |
| Retarder                       |  | No       |
| Hill Start Assist (HSA)        |  | No       |

| ELECTRICAL & FUEL    |      |     |
|----------------------|------|-----|
| Fuel tank 1 capacity | ltrs | 400 |
| Fuel tank 2 capacity | ltrs | -   |

| TYRES                                               |  |              |
|-----------------------------------------------------|--|--------------|
| Size and ply rating - front & rear (Tubeless - Opt) |  | -            |
| Size and ply rating - front                         |  | 315/80 R22.5 |
| Size and ply rating - rear                          |  | 315/80 R22.5 |

| CAB & EXTRAS                     |  |          |
|----------------------------------|--|----------|
| Type                             |  | Medium   |
| Roof                             |  | Low      |
| No. of bunks                     |  | 0        |
| No. of seats                     |  | 3        |
| Airconditioning                  |  | Standard |
| Radio/USB                        |  | Standard |
| Speakers                         |  | Standard |
| USB Charger                      |  | Standard |
| Daytime Running Lights (DRL)     |  | Standard |
| Telematics                       |  | Standard |
| Driver and far passenger airbags |  | Standard |
| Central locking                  |  | Standard |
| Electric windows                 |  | Standard |
| Tachograph                       |  | Optional |
| On-board computer                |  | No       |
| Tilt cab                         |  | Yes      |